#### Accepted Manuscript

Title: Detection of Post-Translational Modifications Using Solid-Phase Proximity Ligation Assay

Authors: Felipe Marques Souza de Oliveira, Stefan Mereiter, Peter Lönn, Benjamin Siart, Qiujin Shen, Johan Heldin, Doroteya Raykova, Niclas Karlsson, Karol Polom, Franco Roviello, Celso A. Reis, Masood Kamali-Moghaddam



PII: DOI: Reference: S1871-6784(17)30423-5 https://doi.org/10.1016/j.nbt.2017.10.005 NBT 1031

To appear in:

Received date:	8-8-2017
Revised date:	25-10-2017
Accepted date:	27-10-2017

Please cite this article as: Oliveira, Felipe Marques Souza de, Mereiter, Stefan, Lönn, Peter, Siart, Benjamin, Shen, Qiujin, Heldin, Johan, Raykova, Doroteya, Karlsson, Niclas, Polom, Karol, Roviello, Franco, Reis, Celso A., Kamali-Moghaddam, Masood, Detection of Post-Translational Modifications Using Solid-Phase Proximity Ligation Assay.New Biotechnology https://doi.org/10.1016/j.nbt.2017.10.005

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

## ACCEPTED MANUSCRIPT

# **Detection of Post-Translational Modifications Using**

## **Solid-Phase Proximity Ligation Assay**

Felipe Marques Souza de Oliveira<sup>1</sup>, Stefan Mereiter<sup>2</sup>, Peter Lönn<sup>1</sup>, Benjamin Siart<sup>3, 4</sup>, Qiujin Shen<sup>1</sup>, Johan Heldin<sup>1,5</sup>, Doroteya Raykova<sup>1,5</sup>, Niclas Karlsson<sup>6</sup>, Karol Polom<sup>7,8</sup>, Franco Roviello<sup>8</sup>, Celso A. Reis<sup>2,9,10</sup> and Masood Kamali-Moghaddam<sup>1\*</sup>

1) Department of Immunology, Genetics and Pathology, Science for Life Laboratory, Uppsala University, Uppsala, Sweden

2) i3S – Instituto de Investigação e Inovação em Saúde and IPATIMUP – Institute of Molecular Pathology and Immunology of the University of Porto, Portugal.

3) Department of Anthropology, University of Vienna, Austria

4) Department of Behavioral Biology, University of Vienna, Austria

5) Department of Pharmaceutical Biosciences, Uppsala University, Sweden.

6) Department of Medical Biochemistry and Cell Biology at Institute of Biomedicine, Gothenburg University, Sweden.

7) Department of Surgical Oncology, Medical University of Gdansk, Poland.

8) General Surgery and Surgical Oncology Department, Università deli Studi di Siena, Italy.

9) Instituto de Ciências Biomédicas Abel Salazar (ICBAS), University of Porto, Portugal.

10) Faculty of Medicine of the University of Porto, Portugal.

\*To whom correspondence should be addressed. email: <u>masood.kamali@igp.uu.se</u>

Keywords: Solid-phase proximity ligation assay (SP-PLA), post-translational modifications,

glycosylation, CD44, p53, EGFR, E-cadherin, phosphorylation, protein detection, gastric cancer.

**Abbreviations:** STn, sialyl Tn antigen; LOD, lowest limit of detection; LLOQ, lowest limit of quantification

Download English Version:

# https://daneshyari.com/en/article/8941292

Download Persian Version:

https://daneshyari.com/article/8941292

Daneshyari.com